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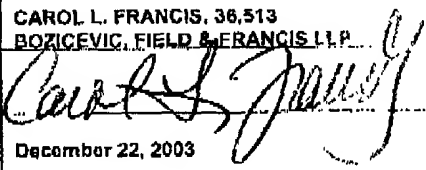
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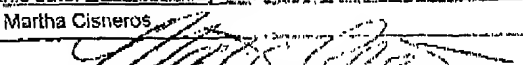
F-101/5B/21 (05-03)

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<h2 style="text-align: center;">TRANSMITTAL FORM</h2> <p style="text-align: center;">(to be used for all correspondence after initial filing)</p>		Application Number	09/898,745	
		Filing Date	July 3, 2001	
		Confirmation Number	3662	
		First Named Inventor	DAVIS, RONALD W.	
		Group Art Unit	1637	
		Inventor Name	STRZIELECKA, TERESA E.	
Total Number of Pages in This Submission		7	Attorney Docket Number	STAN-153
ENCLOSURES (check all that apply)				
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Supplemental Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT				
Signing Attorney/Agent (Reg. No.)	CAROL L. FRANCIS, 36,513 BOZICEVIC, FIELD & FRANCIS LLP			
Signature				
Date	December 22, 2003			


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Signature		Date	12/22/03

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P. 02
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SUPPLEMENTAL AMENDMENT Address to: Mail Stop: AF Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Attorney Docket Confirmation No.	STAN-153 3662	
	First Named Inventor	Ronald W. Davis	
	Application Number	09/898,745	
	Filing Date	July 3, 2001	
	Group Art Unit	1637	
	Examiner Name	Teresa B. Sirzelecka	
	Title	"Identification of Drugs and Drug Targets by Detection of the Stress Response"	

Dear Sir:

This amendment is supplemental to the amendment filed July 16, 2003 which was responsive to the Final Office Action dated April 16, 2003. Because the prior amendment was fully responsive to the last action, applicants submit that no extensions of time are required.

In view of the amendments to the claims and the remarks put forth below, reconsideration and allowance are respectfully requested.

Atty Dkt. No.: STAN-153
USSN: 09/898,745

AMENDMENTS

In the Claims

1. **(Currently Amended)** A method for identifying a bioactive compound, the method comprising the steps of:

contacting a yeast host cell containing a heterozygous deletion in a target sequence with a candidate bioactive compound; and

detecting expression of a stress response gene by the host cell in response to said contacting, wherein the stress response gene is at least one of HSP26, HSP12, HSP42, HSP78, HSP82, YBR072W, YBL049W, YFL030W, YGR043C, YHR096C, YLR142W, YMR081C, YMR107W, YNL194C, YJL144W, YLR080W, YLR178C or YMR090W;

wherein detection of no significant increase in expression of the stress response gene as compared to expression of the stress response gene in a control host cell indicates that the candidate bioactive compound has activity as a drug and that the host cell having the heterozygous deletion is sensitive to the drug activity of the compound.

2.-3. **(Cancelled)**

4. **(Currently Amended)** The method of claim 1, wherein the yeast host cell comprises a stress response gene reporter construct, wherein expression of the stress response gene reporter construct is indicative of expression of the stress response gene a stress response in the yeast host cell.

5. – 6. **(Cancelled)**

7. **(Currently Amended)** The method of claim 1, wherein at least two or more yeast host cells, each having a heterozygous deletion in a different target sequence, are contacted with a candidate bioactive compound drug, and wherein expression of a reporter gene construct in each yeast host cell provides for a unique detectable signal for detection of reporter stress response gene expression.